

REMARKS

The present application was filed on February 19, 2004, with claims 1-33. The present application claims priority to U.S. provisional application Serial No. 60/468,200, filed May 6, 2003. Claims 1-7 and 9-33 were pending in the present application prior to the amendments made herein.

Claims 1, 2, 4-7, 20, 23-25, 30, 32 and 33 stand rejected under 35 U.S.C. §103(a) over U.S. Patent No. 6,842,106 (hereinafter "Hughes") in view of U.S. Patent No. 4,928,098 (hereinafter "Dannhaeuser") and U.S. Patent No. 6,340,932 (hereinafter "Rodgers").

Claims 3, 9-16, 26-29 and 31 stand rejected under §103(a) over Hughes and Dannhaeuser in combination with other references.

Claims 17-19, 21 and 22 are allowed

Claim 29 is indicated as containing allowable subject matter.

In this response, Applicant has updated the specification in the manner suggested by the Examiner, amended independent claims 1 and 30-33, and canceled dependent claims 5 and 6. Also, claims 27 and 29 have been amended.

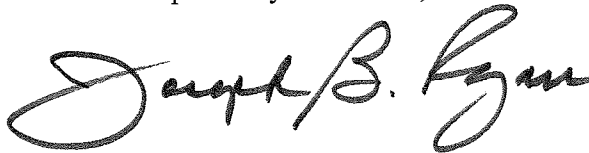
Independent claim 1 has been amended to incorporate the limitations of claims 5 and 6, and to further recite that at least one of the values α_i , β_i and γ_i is selected from a corresponding set of such values that is stored in the RFID device and updated using one-time pads transmitted by the verifier to the RFID device over multiple authentication sessions carried out between the verifier and the RFID device. Support for the amendment can be found in the specification at, for example, page 10, lines 1-10, and page 15, lines 12-14, and in the protocol diagram of FIG. 3. Similar amendments have been made to independent claims 30-33. It is believed that the recited arrangements are not taught or suggested by the collective teachings of the cited references.

Independent claim 27 has also been amended in a manner that is believed to render the claim allowable over the cited references, based on the indication of allowable subject matter associated with dependent claim 29. A clarifying amendment relating to the variable k has been made in claim 29.

A new claim 34 has been added to incorporate the limitation of former dependent claim 8 that was added to claim 1 and has been removed from claim 1 by amendment herein.

In view of the foregoing, claims 1-4, 7 and 9-34 as amended are believed to be in condition for allowance.

Respectfully submitted,

A handwritten signature in black ink, reading "Joseph B. Ryan". The signature is written in a cursive style with a large, stylized "J" and "R".

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